

CERTIFICATE OF INSTALLATION		CF2R-PLMB-01-E
Water Heating System General Information		(Page 1 of 2)
Project Name:	Enforcement Agency:	Permit Number:
Dwelling Address:	City	Zip Code

A. GENERAL INFORMATION/SYSTEM INFORMATION		
1.	Water Heater System Name:	From CF-1R
2.	Water Heater System Configuration:	Single Dwelling Unit, Central From CF-1R
3.	Water Heater System Type:	Domestic Hot Water, Combined Hydronic, Hydronic From CF-1R
4.	Total Number of Water Heaters in Systems:	From CF-1R
5.	Central DHW Distribution Type:	From CF-1R
6.	Dwelling Unit DHW Distribution Type:	From CF-1R
The responsible person's signature on this Certificate of Installation indicates the system identified on this Certificate has complied with all applicable requirements specified in this Table.		

B. WATER HEATER INFORMATION		
<i>Each water heater type requires a separate form.</i>		
1.	Water Heater Type:	From CF-1R
2.	Manufacturer:	
3.	Model Number:	
4.	Number of Identical Water Heaters:	From CF-1R
5.	Efficiency:	From CF-1R
6.	Required Minimum Efficiency:	
7.	Standby Total or Standby:	From CF-1R
8.	Rated Input	From CF-1R
9.	Pilot Energy:	From CF-1R
10.	Water Heater Tank Storage Volume:	From CF-1R
11.	Exterior Insulation On Water Heater:	From CF-1R
12.	Volume of Supplemental Storage:	From CF-1R
13.	Internal Insulation on Supplemental Storage:	From CF-1R
14.	Exterior Insulation on Supplemental Storage:	From CF-1R
The responsible person's signature on this Certificate of Installation indicates the system identified on this Certificate has complied with all applicable requirements specified in this Table.		

C. HYDRONIC OR COMBINED HYDRONIC SYSTEM EFFECTIVE AFUE EFFICIENCY		
1.	Pipe Diameter	From hydronic worksheet
2.	Pipe Length	From hydronic worksheet
3.	Pipe Insulation	From hydronic worksheet
4.	Pump Wattage	From hydronic worksheet
5.	Effective AFUE (Unitless)	From CF-1R

Registration Number:

Registration Date/Time:

HERS Provider:

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT		
1. I certify that this Certificate of Installation documentation is accurate and complete.		
Name:	Signature:	
Company:	Date:	
Address:	CEA or CEPE or HERS Certification # If Applicable:	
City/State/Zip:	Phone:	
RESPONSIBLE PERSON'S DECLARATION STATEMENT		
<p>1. I certify under penalty of perjury, under the laws of the State of California, the information provided on this form is true and correct.</p> <p>2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for construction, or an authorized representative of the person responsible for construction (responsible person).</p> <p>3. I certify that the installed features, materials, components, or manufactured devices identified on this certificate (the installation) conforms to all applicable codes and regulations, and the installation is consistent with the plans and specifications approved by the enforcement agency.</p> <p>4. I reviewed a copy of the Certificate of Compliance (CF1R) approved by the enforcement agency that identifies the specific requirements for the installation. I certify that the requirements detailed on the CF1R that apply to the installation have been met.</p> <p>5. I will ensure that a completed, signed copy of this Certificate of Installation shall be posted, or made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a signed copy of this Certificate of Installation is required to be included with the documentation the builder provides to the building owner at occupancy.</p>		
Company Name: (Installing Subcontractor or General Contractor or Builder/Owner)		
Responsible Person's Name:		Responsible Person's Signature:
CSLB License:	Date Signed:	Position With Company (Title):

Registration Number:

Registration Date/Time:

HERS Provider:

CA Building Energy Efficiency Standards - 2013 Residential Compliance

January 2014

User Instructions for Completing the PLMB 1:

A. General Information/System Information

1. Water Heating System Name: Imported from the CF-1R form. If there is a plumbing plan for the system, the tag name may be given on the plans (e.g. WH-1).
2. Water Heating System Configuration: Imported from the CF-1R. Choices are Single Dwelling Unit or Central. In the case of multi-family a multi-family building with individual water heaters should be listed as single dwelling unit.
3. Water Heating System Type: Imported from the CF-1R form listed as Domestic Hot Water, Combined Hydronic, or Hydronic.
4. Number of Water Heaters : Imported from the CF-1R form.
5. Central DHW Distribution Type: Imported from the CF-1R.
6. Dwelling DHW Distribution Type: Imported from the CF-1R form.

B. Water Heater Information

1. Water Heater Type: Imported from CF-1R. Includes Small Storage (Gas, Electric), Large Storage (Gas Electric) Heat Pump Water Heater, Boiler, Instantaneous Large (Gas and Electric) and Instantaneous Small (Gas and Electric).
2. Enter the manufacture name: From installed equipment.
3. Enter Model Number: From AHRI database, CEC appliance efficiency database or manufacture product data sheets.
4. Number of Identical Water Heaters: From Certificate of Compliance.
5. Installed Water Heater System Efficiency: From AHRI database, CEC appliance efficiency database or manufacture product data sheets.
6. Required Minimum Water Heater System Efficiency: Based on water heater type use minimal efficiency assigned by Appliance Regulations.
7. Total Standby or Standby: From AHRI database, CEC appliance efficiency database or manufacture product data sheets.
8. Rated Input: From AHRI database, CEC appliance efficiency database or manufacture product data sheets
9. Pilot Energy: From AHRI database, CEC appliance efficiency database or manufacture product data sheets.
10. Water Heater Tank Storage Tank Volume: From AHRI database, CEC appliance efficiency database or manufacture product data sheets.
11. Exterior Insulation on Water Heater: Value from Certificate of Compliance should match label on insulation blanket.
12. Volume of Supplemental Storage: Form Certificate of Compliance should match value on tank or manufacturer data.
13. Internal Insulation on Supplemental Storage: From Certificate of Compliance should match value on tank or manufacturer data.
14. External Insulation on Supplemental Storage Tanks: From Certificate of Compliance should match label on insulation blanket.

C. Hydronic or Combined Hydronic System Effective AFUE Efficiency

1. Pipe Diameter: From hydronic worksheet.
2. Pipe Length: From hydronic worksheet. Measured to the nearest foot.
3. Pipe Insulation: From hydronic worksheet. Value labeled on insulation
4. Pump Wattage: From hydronic worksheet. Manufacturer data, running load amps (RLA) times voltage, or labeled value
5. Effective AFUE: From Certificate of Compliance